



5300 Beethoven Street, Los Angeles, CA 90066
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MODEL 7011
20 - 1000 MHz
500/150 WATTS
BANDED POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 7011 is a dual channel broadband system that covers the 20MHz – 1000 MHz frequency range in a single Antenna port.

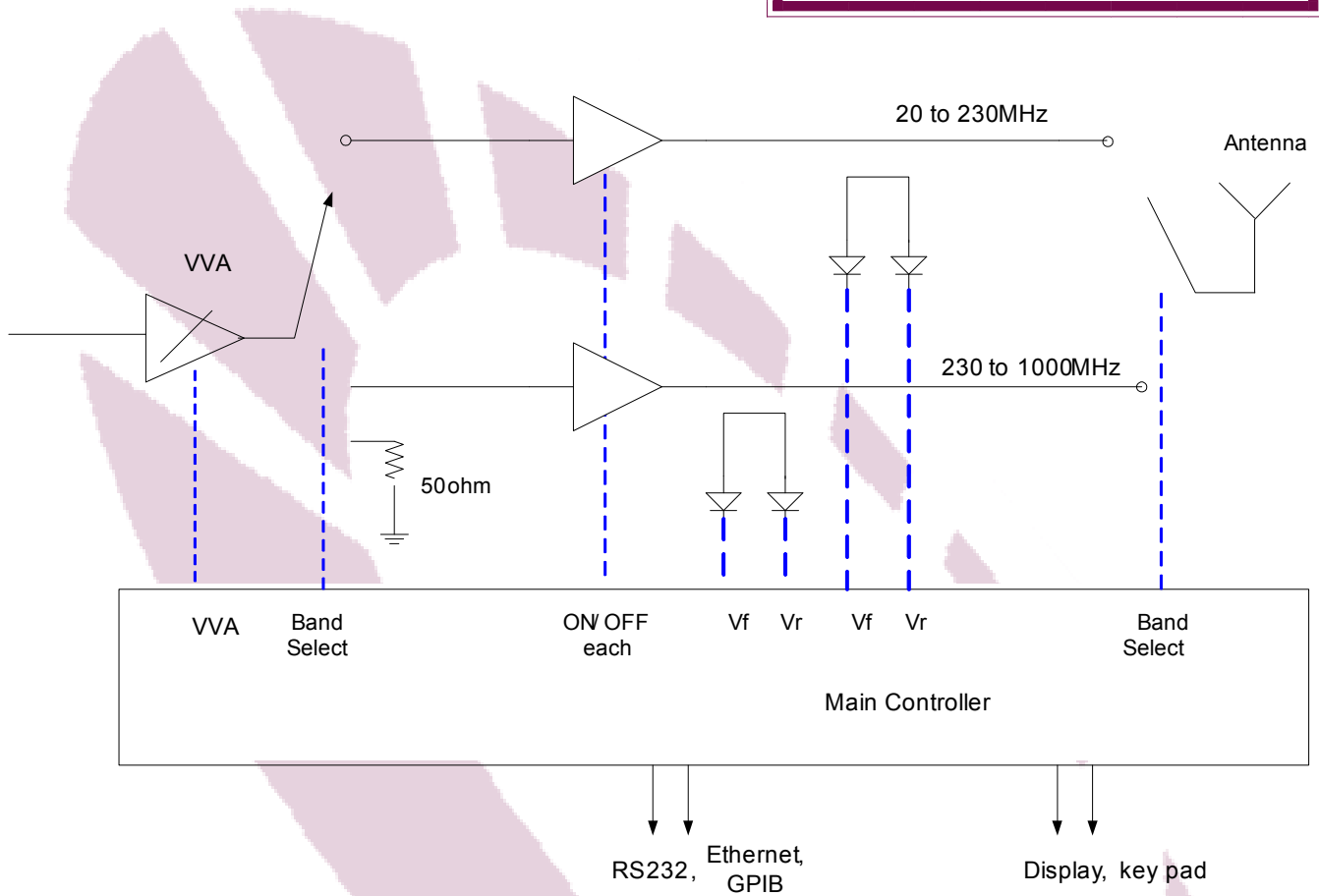
The system includes RF high power switch controlled by the system controller. The RS232/Ethernet and/or Front panel key-pad provides full control of the HPA and reduces the power consumption to the minimum by shutting down the un-selected channel.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	20MHz – 1000 MHz
2	Output Power	500W typ @ Psat @ 20 to 230MHz 150W typ @ Psat @ 230 to 1000MHz
3	Nominal RF drive for rated power	0 dB typ.
4	Input VSWR	2:1 max
5	Harmonics	-15 dBc typ.
6	Spurious Signals	> -60 dBc typical
7	Temperature Protection	Baseplate above 80° C
8	AC Power Consumption (one channel transmits)	3000W max
9	Maximum RF Input	10 dBm max
10	Band Switching time	100mS max
<u>Mechanical</u>		
11	Dimensions	19" x 26" x 14"
12	Weight	150 lb. max
13	Connectors	Type-N
14	Grounding	Chassis
15	Cooling	Internal Forced Air
<u>Environmental</u>		
16	Operating Temperature	0° C to +50° C
17	Operating Humidity	95% Non-condensing
18	Operating Altitude	Up to 10,000' Above Sea Level
19	Shock and Vibration	Normal Truck transport



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CIRCUIT INDICATIONS

- ◇ Forward Power
- ◇ Reflected power
- ◇ VSWR Fault
- ◇ Temp Fault
- ◇ Gain Setting (VVA) percentage

CIRCUIT CONTROL

- ◇ Standby (amplifier disable)
- ◇ Gain/power setting with 25dB range
- ◇ Temp Fault
- ◇ Band Selection

CIRCUIT PROTECTIONS

- ◇ Infinite VSWR
- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage